

## **CLAIMS**

1 1. A device for providing warmth to the head of a person,  
2 comprising:  
3 an outer cap having a water impervious outer surface and  
4 sized to fit over the hair of a person;  
5 a liner positioned inside said outer cap, said liner having a  
6 fibrous texture and being sized to contact the hair of the person; and  
7 a heat source, said heat source comprising a frangible  
8 container containing a quantity of supercooled liquid capable of releasing  
9 a predetermined amount of heat upon crystallization and a quantity of  
10 the crystal form of said liquid separated from said supercooled liquid  
11 and present in an amount sufficient to initiate crystallization of said  
12 quantity of supercooled liquid upon flexing said frangible container to  
13 cause said crystal to contact at least a portion of said supercooled liquid.

1 2. The device of claim 1, wherein said supercooled liquid is  
2 selected from the group consisting of sodium carbonate and sodium  
3 acetate.

1 3. The device of claim 2, wherein said crystallization causes  
2 said causes the temperature of the solidifying liquid to read a controlled  
3 temperature of up to 130 °F.

1 4. The device of claim 1, which further includes a temperature  
2 sensitive portion on said cap to indicate the temperature of the cap after  
3 breaking said frangible container.

1 5. The device of claim 1 in which said frangible container being  
2 placed proximate the middle of said liner to provide heat to said cap.

1 6. The device of claim 1, wherein said liner is formed from  
2 materials selected from the group consisting of natural fibers, synthetic  
3 fibers, synthetic materials and combinations thereof.

1 7. The device of claim 1, wherein said liner includes a quantity  
2 of hair cleaning compound.

1 8. The device of claim 7, wherein said hair cleaning compound  
2 is selected from the group consisting of shampoo, hair conditioner, hair  
3 moisturizer, scalp conditioning agents and mixtures thereof.

1 9. A device for providing warmth to the head of a person,  
2 comprising:

3 outer cap means for providing a water impervious outer  
4 surface, said cap means being sized to fit over the hair of a person;

5 liner means for contacting the hair of the person and  
6 positioned inside said outer cap, said liner means having a fibrous  
7 texture and being sized to contact the hair of the person; and

8           heat source means for producing heat to warm said liner  
9 means and said cap means, said heat source means comprising a  
10 frangible container means for containing a quantity of supercooled liquid  
11 capable of releasing a predetermined amount of heat upon crystallization  
12 and a quantity of the crystal form of said liquid separated from said  
13 supercooled liquid and present in an amount sufficient to initiate  
14 crystallization of said quantity of supercooled liquid upon flexing said  
15 frangible container means to cause said crystal to contact at least a  
16 portion of said supercooled liquid.

1   10.           The device of claim 9, wherein said supercooled liquid is  
2 selected from the group consisting of sodium carbonate and sodium  
3 acetate.

1   11.           The device of claim 10, wherein said crystallization causes  
2 said causes the temperature of the solidifying liquid to read a controlled  
3 temperature of up to 130 °F.

1   12.           The device of claim 9, which further includes temperature  
2 sensitive means on said cap means for indicating the temperature of the  
3 towels after breaking said frangible container means.

1   13.           The device of claim 9 wherein said frangible container  
2 means is placed proximate the middle of said liner means to provide  
3 heat to said person's hair.

1 14. The device of claim 9, wherein said liner means is formed  
2 from materials selected from the group consisting of natural fibers,  
3 synthetic fibers, synthetic materials and combinations thereof.

1 15. The device of claim 9, wherein said liner means includes a  
2 quantity of hair cleaning compound.

1 16. The device of claim 9, wherein said hair cleaning compound  
2 is selected from the group consisting of shampoo, hair conditioner, hair  
3 moisturizer, scalp conditioning agents and mixtures thereof.

1 17. A device for cleaning a person's hair, comprising:  
2 an outer cap having a water impervious outer surface and  
3 sized to fit over the hair of a person;  
4 a liner positioned inside said outer cap, said liner having a  
5 fibrous texture and being sized to contact the hair of the person;  
6 a quantity of hair cleaning compound in said liner; and  
7 a heat source, said heat source comprising a frangible  
8 container containing a quantity of supercooled liquid capable of releasing  
9 a predetermined amount of heat upon crystallization and a quantity of  
10 the crystal form of said liquid separated from said supercooled liquid  
11 selected from the group consisting of sodium carbonate and sodium  
12 acetate and present in an amount sufficient to initiate crystallization of  
13 said quantity of supercooled liquid upon flexing said frangible container  
14 to cause said crystal to contact at least a portion of said supercooled  
15 liquid; and

16           a temperature sensitive portion on said cap to indicate the  
17 temperature of the cap after breaking said frangible container;  
18           wherein said crystallization causes said causes the  
19 temperature of the solidifying liquid to read a controlled temperature of  
20 up to 130 °F and said hair cleaning compound is in contact with the  
21 user's hair.

1   18.       The device of claim 17, wherein said liner is formed from  
2 materials selected from the group consisting of natural fibers, synthetic  
3 fibers, synthetic materials and combinations thereof.

1   19.       The device of claim 17, wherein said hair cleaning  
2 compound is selected from the group consisting of shampoo, hair  
3 conditioner, hair moisturizer, scalp conditioning agents and mixtures  
4 thereof.

1   20.       The method of claim 17, wherein said frangible container  
2 being placed proximate the middle of said plurality of liner to provide  
3 heat to said liner and cap.